

FIG. 2  
PETUNIA GALACTOSE  
METABOLISM

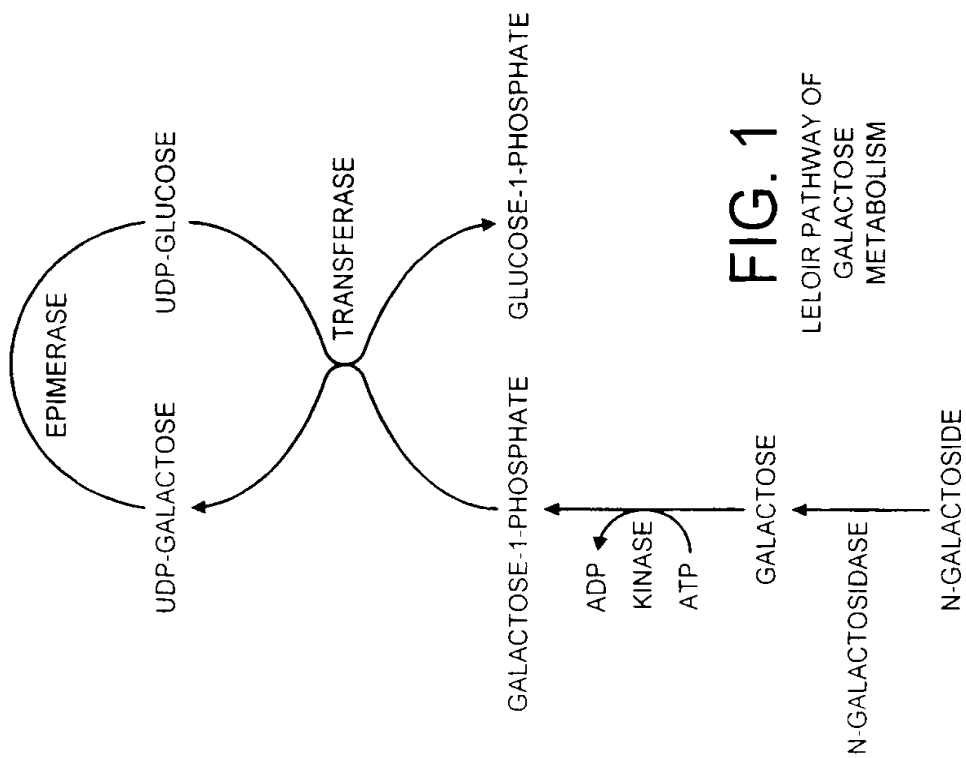


FIG. 1  
LELOIR PATHWAY OF  
GALACTOSE  
METABOLISM

CTGCGAGGAACGACCATGACGCAATTTAATCCCGTTGATCATCCACATCGCGCTACACCGCTCACCGGGCAATGGATTCTGGTTTACCGCACCGCG 100  
PstI M T Q F N P V D H P H R R Y N P L T G Q W I L V S P H R 28

CTAAGCGCCCTTGGCAGGGGGCGCAGGAACGCCAGCAACAGGTGTACCTGGCAGCATCCAGATTGCTTCCTCTGCGCAGGTAATGTGCGGGTGAC 200  
A K R P W Q G A Q E T P A K Q V L P A H D P D C F L C A G N V R V T 62

AGGGATAAAAAACCCGATTACACCGGACTTACGTTTCACTAATGACTTTTGGCGTTTGATGTGACACGCCAGATGCGCCAGAAAGTCACGATCCG 300  
G D K N P D Y T G T Y V F T N D F A A L M S D T P D A P E S H D P 95

CTGATGCGTTGCCAGAGCGCGCGGACCGCGGTGATCTGCTTTACCGGATCACAGTAAACGCTGCCAGAGCTCAGCGTTGCAGCATTTGACGG 400  
L M R C Q S A R G T S R V I C F S P D H S K T L P E L S V A A L T 128

AAATCGTCAAACCTGGCAGGAGCAACCGCGGAACCTGGGAAACGTACCCATGGGTGCAGGTTTTTGAAACAAAGCGCGCGGCTGGCTGCTCTAA 500  
E I V K T W Q E Q T A E L G K T Y P W V Q V F E N K G A P M G C S N 162

CCCGCATCCGCACGGTCAGATTGGGCAATAGCTTCTCTGCTTAACGAAGCTGAGCGGAGACCGCTGCATAAAGATATTTTGGCGAACAGAAATCA 600  
P H P H G Q I W A N S F L P N E A E R E D R L Q K E Y F A E Q K S 195

CCAAATGCTGGTGGATTATGTTACGCGGAGCTGGCAGACGGTAGCCGTACCGTTGTTCGAAACCGAACACTGGTTAGCCGTCTGTCCTTACTGGCTGCCT 700  
P M L V D Y V Q R E L A D G S R T V E T E H W L A V V P Y W A A 228

GGCCGTTGGAACGCTACTGTGCCAAAGCCACGTTTACGGATCACCGATTGACCGACGCCAGCGCGAGCTGTGGCGCTGGCGTTGAAAAAGCT 800  
W P F E T L L L P K A H V L R I T D L T D A Q R S D L A L A L K K L 262

GACCACTGTTATGACAACTCTTCCACTGCTCTTCCCTACTCTATGGCTGGCAGCGCGGCCATTTAATGGCGAAGAGAATCAACACTGGCAGCTG 900  
T S R Y D N L F Q C S F P Y S M G W H G A P F N G E E N Q H W Q L 295

CACGCGACCTTTATCGGCCCTCTGCTGGCTCCGCCACCGTACGTAATTTATGGTTGTTATGAATGCTGGCAGAGACCCAGCGAGACCTGACCGCAG 1000  
H A H F Y P P L L R S A T V R K F M V G Y E M L A E T Q R D L T A 328

AACAGGCAGCAGCGTTTGGCGCAGTCAGCGATATCCATTTTCGGCAATCCGGAGTGTAGTCACT 1069  
E Q A A E R L R A V S D I H F R E S G V - SalI 348

FIG. 3

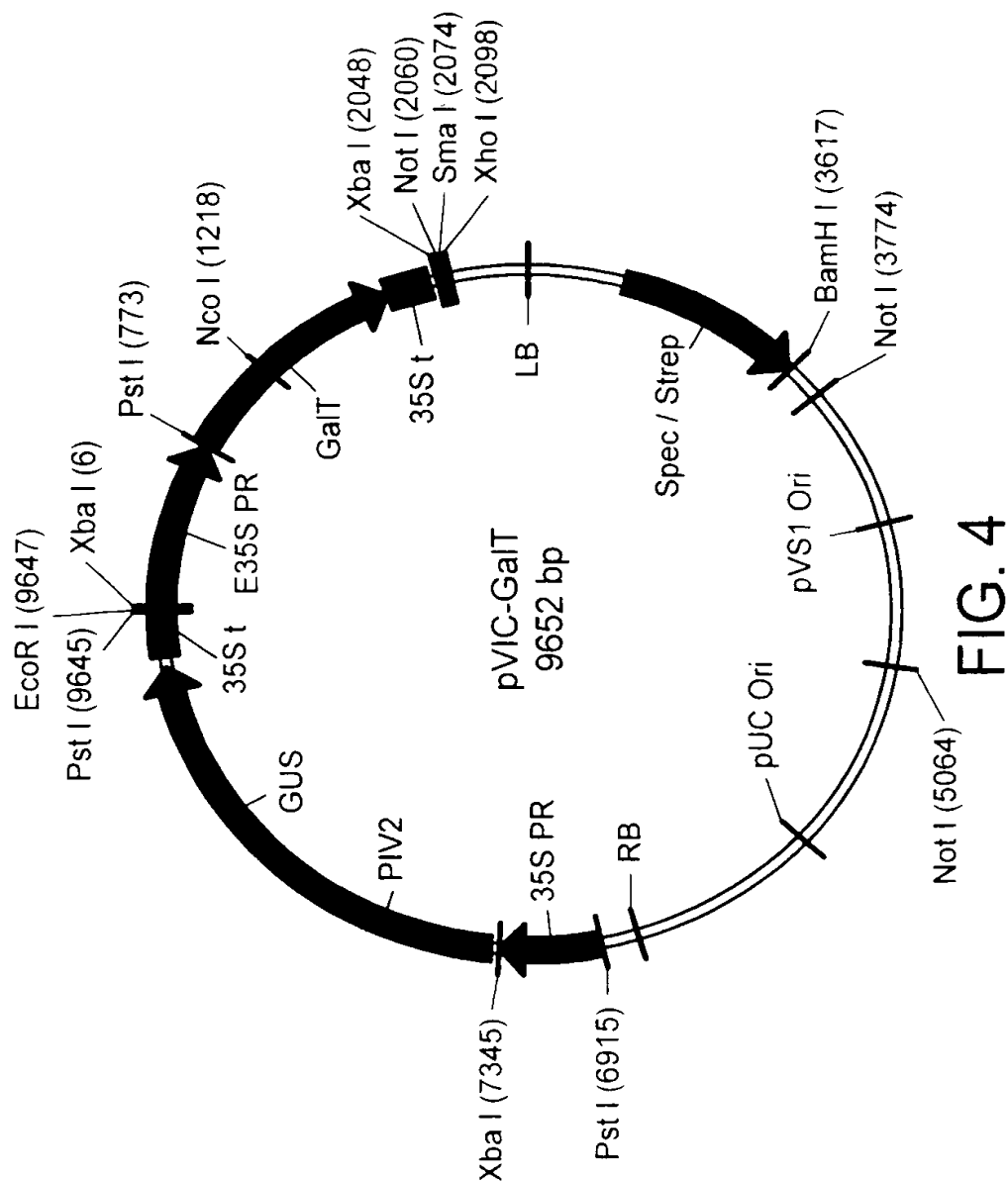


FIG. 4